

CROSS CUTTING ISSUES TECHNICAL WORK GROUP CALL #2 - GOALS

MARCH 3, 2006





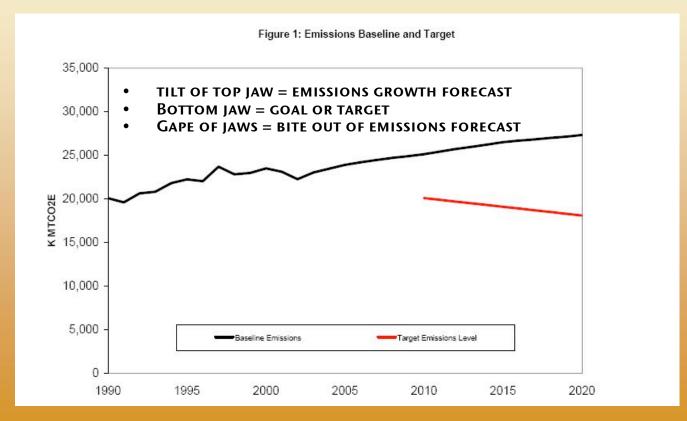
TODAY'S AGENDA

- 1. CALL TO ORDER
- 2. ROLL CALL
- 3. REVIEW OF GOALS ISSUES
- 4. CALL TO THE PUBLIC AND ANNOUNCEMENTS
- 5. AGENDA ITEMS FOR NEXT CC TWG CALL, CCAG MEETING

PART 1

- STATE GHG GOALS
 - LINK SCIENCE AND POLICY
 - PROVIDE INCENTIVES, TRACKING,
 OPPORTUNITIES FOR COLLABORATION

JAWS GRAPH A.K.A. "CLIMATE GAP"



CLIMATE GAP - NE, WEST COAST



CLIMATE GAP - AZ

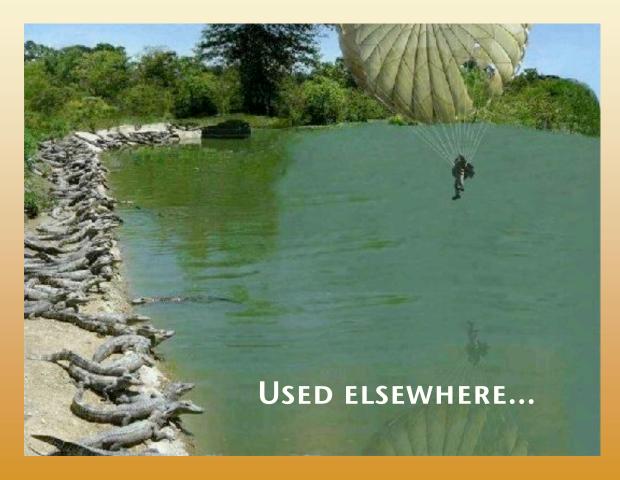


- SMALLER OVERALL, BUT HIGHER GROWTH RATE
- GAPE OF THE JAW:
 - CAN IT REMOVE THE SAME RELATIVE BITE FROM THE EMISSIONS FORECAST?

BOTTOM UP APPROACH

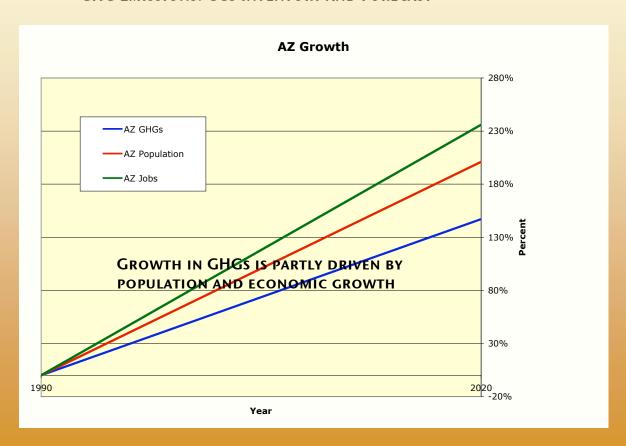
CCS CENTER FOR CLIMATE STRATEGIES	Codes & Standards	Market Mechanisms	Funding Mechanisms	Voluntary Agreements	Technical & Financial Assistance	Information & Education	Pilots & Demos	Reporting & Disclosure
Agriculture								
Commercial, Residential And Industrial								
Energy Supply		Us	ED IN	ARIZ	ONA	CCA	G,	
Forestry		SO	ME O	ΓHER	STAT	ES		
Transportation and Land Use								
Waste Management								
Cross Cutting Issues								

TOP DOWN APPROACH



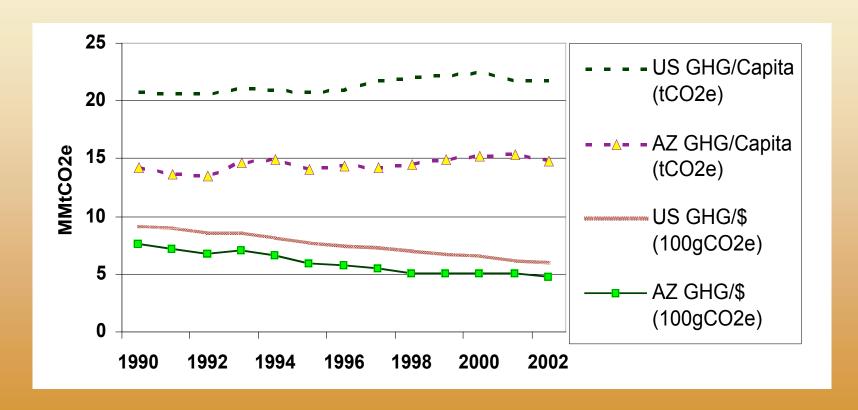
AZ GROWTH RATES

- Population and Non-farm jobs: AZ Dept Economic Security
- GHG EMISSIONS: CCS INVENTORY AND FORECAST



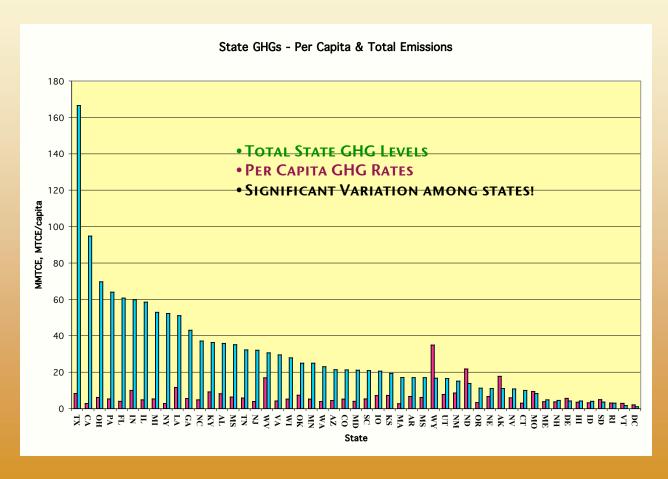
AZ PER CAPITA, GSP GHGS

- EMISSIONS INTENSITY DECLINES AS OVERALL GHG LEVELS RISE
- PER CAPITA RATES VARY SLIGHTLY OVER TIME BUT STAY LEVEL



STATE GHG LEVELS

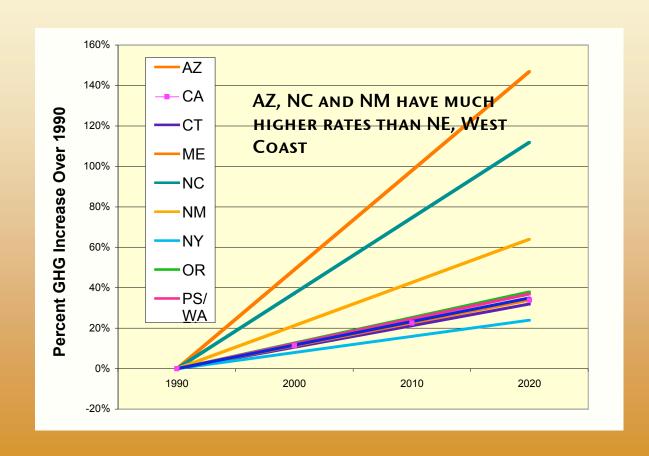
YEAR 2000, DOE CO2 DATA



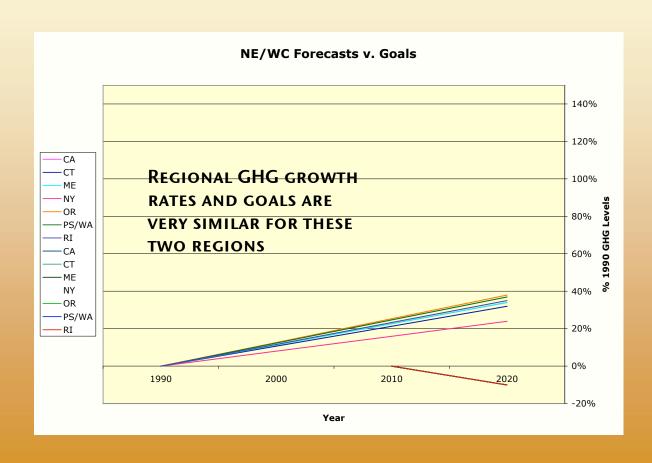
GROWTH & GOALS

STATE	1990-2020 FORECAST	GHG GOALS	PLANNING RESULT
AZ	147%	?	TBD
CA	34%	2000 BY 2010; 10% BELOW BY 2020; 75% BY 2050	TBD
СТ	32%	1990 BY 2010; 10% BELOW BY 2020; 75% BY 2100	100%
MA	?	1990 BY 2010; 10% BELOW BY 2020; 75% BY 2100	?
ME	34%	1990 BY 2010; 10% BELOW BY 2020; 75% BY 2100	100%
NC	122%	?	TBD
NEG	?	1990 BY 2010; 10% BELOW BY 2020; 75% BY 2100	TBD
NJ	?	5% -1990 BY 2005	100%
NM	64%	2000 BY 2012; 10% BELOW BY 2020; 75% BY 2050	TBD
NY	24%	5% BELOW 1990 BY 2010	?
OR	38%	1990 BY 2010; 10% BELOW BY 2020; 75% BY 2100	85%
PS/WA	37%	1990 BY 2010; 10% BELOW BY 2020; 75% BY 2100	100%
RI	35%	1990 BY 2010; 10% BELOW BY 2020; 75% BY 2100	100%

STATE GHG GROWTH

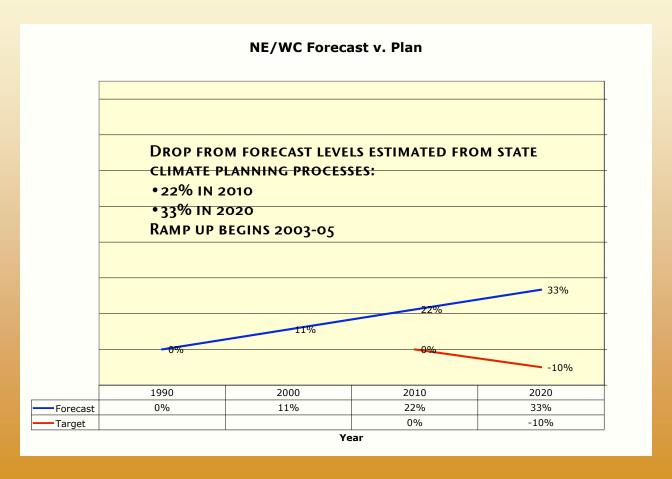


NE/WEST COAST

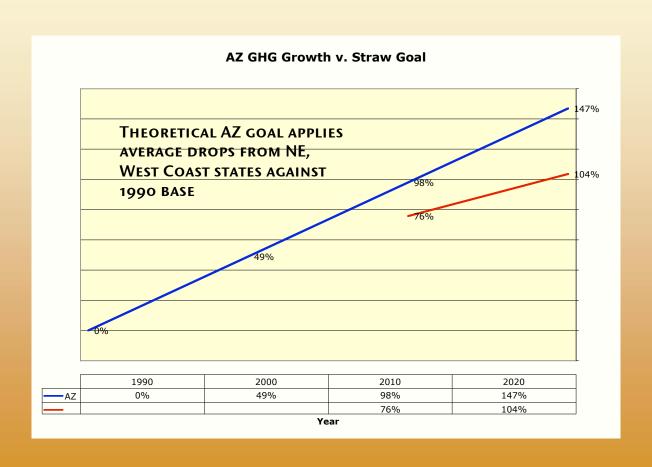


AVG NE/WEST COAST...

AVERAGE GHG GROWTH RATES V. GOALS



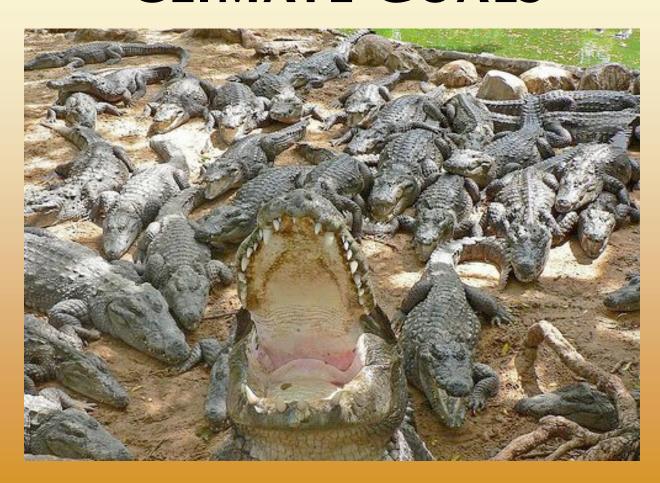
POTENTIAL AZ GOAL 1990 BASE



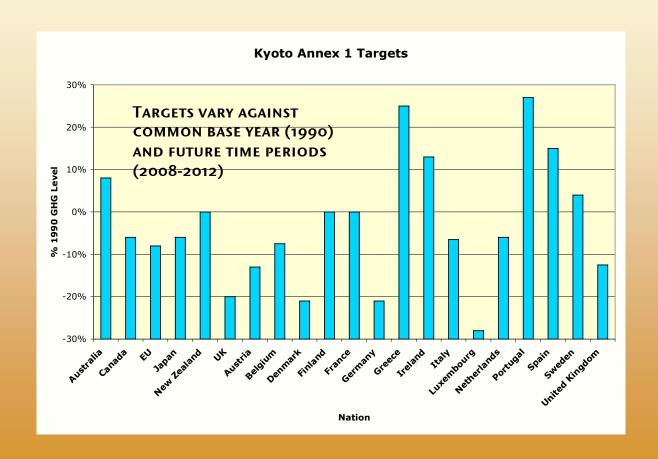
POTENTIAL AZ GOAL 2000 BASE



"COMMON BUT DIFFERENTIATED" CLIMATE GOALS



GLOBAL GHG TARGETS 2008-12



ANALYSIS

DATA SOURCES

- STATE GHG INVENTORIES AND FORECASTS (CONSUMPTION BASED)
- STATE PLANNING ESTIMATES OF POTENTIAL GHG REDUCTIONS THAT MEET REASONABLE DEGREE OF CONSENSUS
- SOME STATE PLANNING DATA IS NOT READILY AVAILABLE (CLOSED PROCESSES)
- KYOTO TARGETS: PEW CENTER FOR CLIMATE CHANGE
- POPULATION GROWTH: AZ DEPARTMENT OF ECONOMIC SECURITY,
 RESEARCH ADMINISTRATION, WORKFORCE INFORMER
- ECONOMIC GROWTH: NONFARM JOBS, AZ DEPARTMENT OF ECONOMIC SECURITY, RESEARCH ADMINISTRATION, WORKFORCE INFORMER

METHODS

- AVERAGE RESULT OF NORTHEAST AND WEST COAST PLANNING EFFORTS AT CLOSING THE GAP
- PROPORTIONATE APPLICATION TO ARIZONA VIA REDUCTION BELOW FORECAST LEVELS

ANALYSIS...

- KEY ASSUMPTIONS
 - LINEAR GHG EMISSION TRENDS
 - AVERAGE ANNUAL (LINEAR) GHG REDUCTION ESTIMATES IN 2010
 AND 2020
 - PROPORTIONATE EFFORT BY ARIZONA COMPARED TO COASTAL STATES
- Key Uncertainties
 - RESULTS OF BOTTOM UP PLANNING BY THE CCAG, REGIONAL DIFFERENCES
 - RELIABILITY OF FORECASTING
 - RESULTS OF ACTUAL IMPLEMENTATION
 - MARGIN OF SAFETY AND OR ERROR

ADVANTAGES OF YOUTH...



- AZ EMISSIONS DOUBLING IN 20 YEARS
- CLIMATE PROBLEM IS GROWING
- CURRENT COSTS MAY BE LOWER THAN FUTURE COSTS
- STATE GOALS MAY AFFECT MARKETS, MANDATES, CO-BENEFITS

NEXT STEPS

- SET NEXT CALL DATE AND TIME
- IDENTIFY POTENTIAL ISSUES AND APPROACHES FOR FURTHER DISCUSSION
- DEVELOP STRAW PROPOSALS
- COORDINATE WITH SECTOR-BASED TWGs
- DETERMINE CCAG PRIORITIES

FOR NEXT CCAG MEETING

- AGENDA ITEMS
 - DISCUSSION OF PRIORITIES
 - DISCUSS PLANS FOR STRAW PROPOSALS
 - DISCUSS COORDINATION WITH TWGS

CLOSING REMARKS

- PUBLIC INPUT?
- ANNOUNCEMENTS?



CROSS CUTTING ISSUES TECHNICAL WORK GROUP CALL #2 - REPORTING, REGISTRIES, EDUCATION MARCH 3, 2006





TODAY'S AGENDA

- 1. CALL TO ORDER
- 2. ROLL CALL
- 3. REVIEW OF REPORTING, REGISTRIES AND EDUCATION ISSUES -- TIME PERMITTING
- 4. CALL TO THE PUBLIC AND ANNOUNCEMENTS
- 5. AGENDA ITEMS FOR CCAG MEETING

PART 2

- REPORTING, REGISTRIES, EDUCATION
 - REPORTING AND REGISTRIES ARE LINKED
 - EMISSIONS V. EMISSIONS REDUCTIONS
 - INCENTIVE SYSTEMS
 - EDUCATION SUPPORTS INDIVIDUAL AND COLLECTIVE POLICY EFFORTS

REPORTING & REGISTRIES

- MULTIPLE APPROACHES HAVE EMERGED
 - MANY PURPOSES AND GOALS
 - Many Quantification protocols
 - MANY REGISTRY APPROACHES
 - MANY MARKET ENTRANTS
- SOME CLARITY & STANDARDS EVOLVING
 - WRI/WBCSD GHG Protocols
 - ISO 14064 GHG QUANTIFICATION STANDARDS
 - REGIONAL REGISTRY EFFORTS
 - BROADER REGISTRY DISCUSSIONS

GHG REPORTING

- Purpose and goals
 - MEASURE GHG EMISSIONS
 - BUILD AWARENESS AND CAPACITY
 - DIAGNOSE AND TRACK GHG EMISSIONS
 - CONSIDER AND PLAN FOR SOLUTIONS
 - BETTER MANAGE EMISSIONS
 - IDENTIFY WAYS TO INCREASE RELATED BENEFITS
 OF EMISSIONS REDUCTIONS
 - ENABLES OTHER GOALS

GHG REPORTING

- KEY TECHNICAL AND POLICY ISSUES
 - POLICY ENDPOINTS
 - VOLUNTARY OR MANDATORY
 - WHICH GASES
 - APPLICABILITY (SECTORS, SOURCES, LEVELS)
 - BOUNDARY ISSUES
 - QUANTIFICATION, MEASUREMENT, & VERIFICATION
 - OPERATIONAL ISSUES (LEAD AGENCY, START DATE, REPORTING PERIOD, TRANSPARENCY, COST, ETC.)

GHG REGISTRY

- Purpose and goals
 - RECORDING OF GHG REDUCTION ACTIVITIES
 - PROVIDE MANAGEMENT INFORMATION SYSTEM
 - DATA MANAGEMENT & ACCOUNTING
 - CENTRAL, INDEPENDENT REPOSITORY
 - SUPPORT POLICY IMPLEMENTATION
 - INCENTIVE TO TRACK & MANAGE EMISSIONS
 - Public and/or legal recognition
 - CREDIT AND/OR BASELINE PROTECTION
 - Possible regional & cross-border cooperation

GHG REGISTRY

- KEY TECHNICAL AND POLICY ISSUES
 - POLICY OBJECTIVES
 - BASELINE/BASE YEAR
 - INCREMENTAL REDUCTIONS
 - REDUCTIONS FROM OTHER SECTORS
 - BOUNDARY ISSUES
 - OWNERSHIP & DOUBLE-COUNTING
 - MONITORING & DATA QUALITY
 - VERIFICATION/CERTIFICATION
 - PROJECTS VS. PROGRAMS
 - STATE-TO-STATE CONSISTENCY
 - OPERATIONAL & ADMINISTRATIVE ISSUES

PUBLIC EDUCATION

Purpose and goals

- Public awareness of need for action
- AWARENESS OF SPECIFIC PROGRAMS & EFFORTS
- AWARENESS THAT INDIVIDUAL ACTIONS COUNT;
 (AND MAY BE REWARDED, E.G., REBATES)

KEY TECHNICAL AND POLICY ISSUES

- AUDIENCE(S), MESSAGES, PROGRAM LINKAGE
- APPROACHES, RESPONSIBILITY
- SCOPE AND BREADTH
- COSTS AND RESULTS

NEXT STEPS

- IDENTIFY EXISTING AZ ACTIONS
- IDENTIFY POTENTIAL APPROACHES
- DEVELOP STRAW PROPOSALS
- COORDINATE WITH SECTOR-BASED TWGs
- REFLECT CCAG PRIORITIES

CLOSING REMARKS

- PUBLIC INPUT?
- ANNOUNCEMENTS?

FOR NEXT CCAG MEETING

- AGENDA ITEMS
 - DISCUSSION OF PRIORITIES
 - DISCUSS PLANS FOR STRAW PROPOSALS
 - DISCUSS COORDINATION WITH TWGS